



Hurricane Harvey-Texas

ESF-10

Situation Report #20

Subject: SITREP #20
To: Agency Leads
Thru: Maggie Waldon, PSC
From: Unified Command
Date: 9/18/2017
Reporting Period: 9/18/2017

1. Introduction

1.1. Background

Hurricane Harvey made landfall at 2300 ET, August 26th, as a Category 4 storm near Rockport, Texas. Harvey stalled over southeastern TX. Due to its slow motion and a prolonged period of onshore flow, the impacted areas received more than 50 inches of precipitation which subsequently led to catastrophic flooding.

An ESF-10 Mission Assignment was signed on August 28, 2017. The US Environmental Protection Agency (EPA), Texas Commission on the Environmental Quality (TCEQ), Texas General Land Office (TGLO) and the US Coast Guard (USCG) have entered into Unified Command to begin the evaluation, clean-up and recovery of spills, releases, vessels and orphan containers.

2. Current Activities

2.1. Operations Section

On September 18, 2017, Unified Command continued operations in accordance with the Natural Disaster Operational Workgroup (NDOW) Standard Operating Procedures, NDOW forms and Response Manager. The Unified Command is supported by three operational branches: Alpha Branch in Corpus Christi, Bravo Branch in Houston and Charlie Branch in Port Arthur. Hazard Evaluation, Oil Discharge Assessment and Recovery, as well as Orphan Container Evaluation and Recovery teams continued working throughout the Alpha, Bravo and Charlie Branches.

- EPA's mobile air monitoring Trace Atmospheric Gas Analyzer (TAGA) bus is being used to screen specific areas for target contaminants that are affiliated with the aftermath of Hurricane Harvey. They will continue monitoring force majeure facilities in the Houston and Beaumont areas.

Mission Assignment:

Request ESF-10 assistance to the State of Texas in support of assessment and response operations to actual or threatened hazardous materials and oil releases/discharges as covered under Category B (Emergency Protective Services) for Public Assistance. The assistance includes response to releases/discharges from fixed facilities, vehicles, intermodal container (to include orphaned containers) and vessels (mobile) sources to remove the threat of imminent danger or contamination to the public that could be caused by any release.

Table 1: Mission Assignments			
Funding Sources	Description	Funding Ceiling	End Date
MA 4332DR-TX-EPA-03	As requested by the State of Texas, provide assessment and emergency response support to the State including water/wastewater treatment plant assessments, aerial assessments	\$10,092,000	9/22/2017
USCG MA D17BA1	USCG will provide oil and hazardous materials field response which may include but not limited to the placement of vessels removed of pollutions to a pre-determined staging area; providing specialized expertise; conducting damage assessment of oil/hazmat waste impact via air and/or water; contractor oversight; evaluating hazards; and/or response, removal, or disposal of: actual and potential oil discharges, and releases of hazardous materials, pollutants and contaminations, and remove pollutants from vessels in or upon navigable waters and adjoining shoreline.	\$20,000,000	9/21/2017

Liaison

U.S. Representative John Culberson's staffers visited the Bravo Branch in Houston and were presented a summary of the recovery efforts to date. They also attended the Aransas County community leaders meeting as observers to hear updates from various community entities providing their local updates to leaders.

Public Information

During the next 48-hour operation period, Public Information Officers will be taking photos and videos of TAGA, dive operations, and community involvement for future distribution. Also, Officers are drafting an update to response talking points for concurrence by the Unified Command.

Table 2: Field Teams on 9/18/2017 – per IAP #19				
Teams	Alpha	Bravo	Charlie	Total
Hazard Evaluation	0	1	1	2
Hazard Evaluation Debris	2	6	0	8
Oil Discharge Assessment	0	2	0	2
ER/Orphan Container Recovery	0	3	2	5
Oil/Vessel Discharge Recovery	6	0	0	6
Staging Areas	0	1	1	2
Air Operations	0	1	0	1
Air Monitoring	1	0	0	1
Totals	9	14	4	27

Table 3: Daily/Cumulative Summary of Hazard Evaluations/Recovery*				
Status	Opened		Closed	
	9/18/2017	Number of Targets Remaining Open	9/18/2017	Cumulative
Alpha Branch	0	5	0	101
Bravo Branch	1	5	2	380
Charlie Branch	0	3	11	128
NRC Reports	0	0	0	5
Totals	1	13	13	614

*The data from Response Manager has undergone a complete QA/QC and data was corrected as necessary. Due to this effort, numbers of targets Open and Closed has changed from previous reports. The data now shows a more accurate picture of targets remaining open and those which have been closed.

Note- Open means the target is yet to be recovered. Closed means the target was recovered/left in place or access was denied to collect the item.

Table 4: Waste Received at All Staging Pads to Date						
CONTAINERS					TOTALS	
Date	Drums [55gal]	Small Containers [< 55gal]	Large Containers [> 55gal]	Cylinders	Total Items Collected Today	Total Items Collected Project to Date
9/18/2017	7	11	2	0	20	953
Totals	416	392	33	112		

Table 5: Daily/Cumulative Summary of Spills/Discharges (NON-VESSELS)*				
Opened			Closed	
Status	9/18/2017	Number of Facilities/Spills Remaining Open	9/18/2017	Cumulative
Alpha Branch	0	0	0	33
Bravo Branch	0	0	0	77
Charlie Branch	1	4	3	22
NRC Reports	3	10	5	115
Totals	4	14	8	247

*The data from Response Manager has undergone a complete QA/QC and data was corrected as necessary. Due to this effort, numbers of targets Open and Closed has changed from previous reports. The data now shows a more accurate picture of targets remaining open and those which have been closed.

Note- Open means the target is yet to be recovered/cleaned up. Closed means the target was recovered/cleaned up by an RP or not found upon return to location.

Table 6: Daily/Cumulative Summary of VESSELS*				
Status	Opened		Closed	
	9/18/2017	Number of Vessels Remaining Open	9/18/2017	Cumulative
Alpha Branch	6	181	18	285
Bravo Branch	0	25	4	46
Charlie Branch	0	48	0	15
NRC Reports	0	1	2	12
Totals	6	255	24	358

*The data from Response Manager has undergone a complete QA/QC and data was corrected as necessary. Due to this effort, numbers of targets Open and Closed has changed from previous reports. The data now shows a more accurate picture of targets remaining open and those which have been closed.

Note- Open means the target is yet to be recovered. Closed means the target was recovered/cleaned up by an RP or not found upon return to location.

Other Notable Activities

ALPHA BRANCH

TAGA Team 1 conducted air monitoring at Formosa Plastics (to the North, South, East, and West), Formosa Plastics Marine Terminal in Point Comfort and INVISTA in Victoria. Air monitoring was also conducted in the Point Comfort community and the neighborhood around the INVISTA facility. No readings of significance were identified.

Hazard Evaluation Debris Team 1 conducted observations at seven temporary debris management locations. Four sites are currently active and three are inactive.

Active Sites

- Ross Ave (City of Aransas)
- Coastal Trailer Trash (Corpus Christi)
- Harvey Alternate (Corpus Christi)
- Nueces County Site 3

Inactive Sites

- Clark Parkway Baseball Field (City of Aransas)
- Gulley Hurst (Corpus)
- Westside Landfill (Corpus)

Hazard Evaluation Debris Team 2 Debris conducted observations at 11 temporary debris management locations. Nine sites are currently active and two are inactive.

Active Sites

- Aransas Memorial Park (Aransas Pass)
- East Johnson Avenue (Aransas Pass)
- T.P. McCampbell Airport (Aransas Pass)
- City Auxiliary Yard (Ingleside)
- TxDOT (Ingleside)
- Mesquite Tree (Lamar)
- Aransas County Airport (Rockport)
- Sparks Road site (Rockport)
- Transfer Station (Rockport)

Inactive Sites

- Banty Lane (Aransas Pass)
- Rattlesnake Point Road (Rockport)

Oil/Vessel Discharge Recovery Teams placed placards on 10 vessels in city of Rockport. They also spoke with a boat owner that was willing to relinquish the vessel to TGLO.

Dismantling and sampling preparation of the staging area is underway.

BRAVO BRANCH

The Air Operations Team conducted an overflight of Tiki Island including the surrounding islands. The area was cleared with no vessels located and the Team observed booming around the Christina Vessel.

The Discharge Assessment Team conducted a tank assessment at Stingaree Marina while awaiting contact with the owner.

ER/Orphan Container Recovery Teams closed three targets for nothing found or recovered.

CHARLIE BRANCH

TAGA Team 2 conducted air monitoring around Flint Hills Port Arthur, Total Petrochemicals Port Arthur Refinery, Valero (Premcor), Port Arthur Refinery, Motiva Port Arthur Refinery, Oiltanking - Motiva Port Neches Terminal, Shell Pipeline - Crude Product, Huntsman Petrochemical Port Neches Facility. Air monitoring was also conducted in the neighborhoods North and Southeast of Huntsman, North and East of Valero (Premcor), and East of Motiva. No readings of significance were identified.

ER/Orphan Container Recovery Team collected orphan container targets that were assessed by air operations along 10 miles of the Neches River, from Port Neches park to Interstate 10. Water Operations closed out nine (one on the Sabine River and eight on the Neches River) targets. One target was referred to land operations due to easier accessibility by land. One target on the Sabine River was left open and is getting referred to the presumed responsible party. Water Operations collected four 55-gallon drums, four containers of 20-gallon or less in size, and one 100-gallon container.

NRC, TCEQ and TGLO reports were assessed. The cleanup is in progress for TCQ-IHEC-C-0170906-002, the site cleanup is complete for TCQ-IHE2-C-170906-005, and the responsible party is performing cleanup for TCQ_OR2-C-170912-003. Three open reports that had not been evaluated before were closed out. One of those reports is a TCEQ Superfund site (International Creosoting, a wood treatment facility) in Beaumont, Jefferson County.

ER/Orphan Container Recovery Team collected a partially full 500-gallon fuel tank at the CBI industrial facility. Seven 5-gallon containers of firefighting foam that potentially contained PFOS/PFAS were also collected at the site. Two open targets were closed and referred. One target is within the Sea Rim State Park and was referred to the State Fish and Wildlife. The other was referred to the Lower Neches Valley Authority (LNVA). LNVA responded and reported that the target was a blue kids pool, not a drum.

Hazard Evaluation Team 2 removed booms from Neches as no oil was visible.

Orphan Container Recovery Team 2 retrieved multiple targets from Neches Park, all targets were not reachable by land. The team was unable to retrieve one target as it was too heavy; they will return tomorrow for recovery.

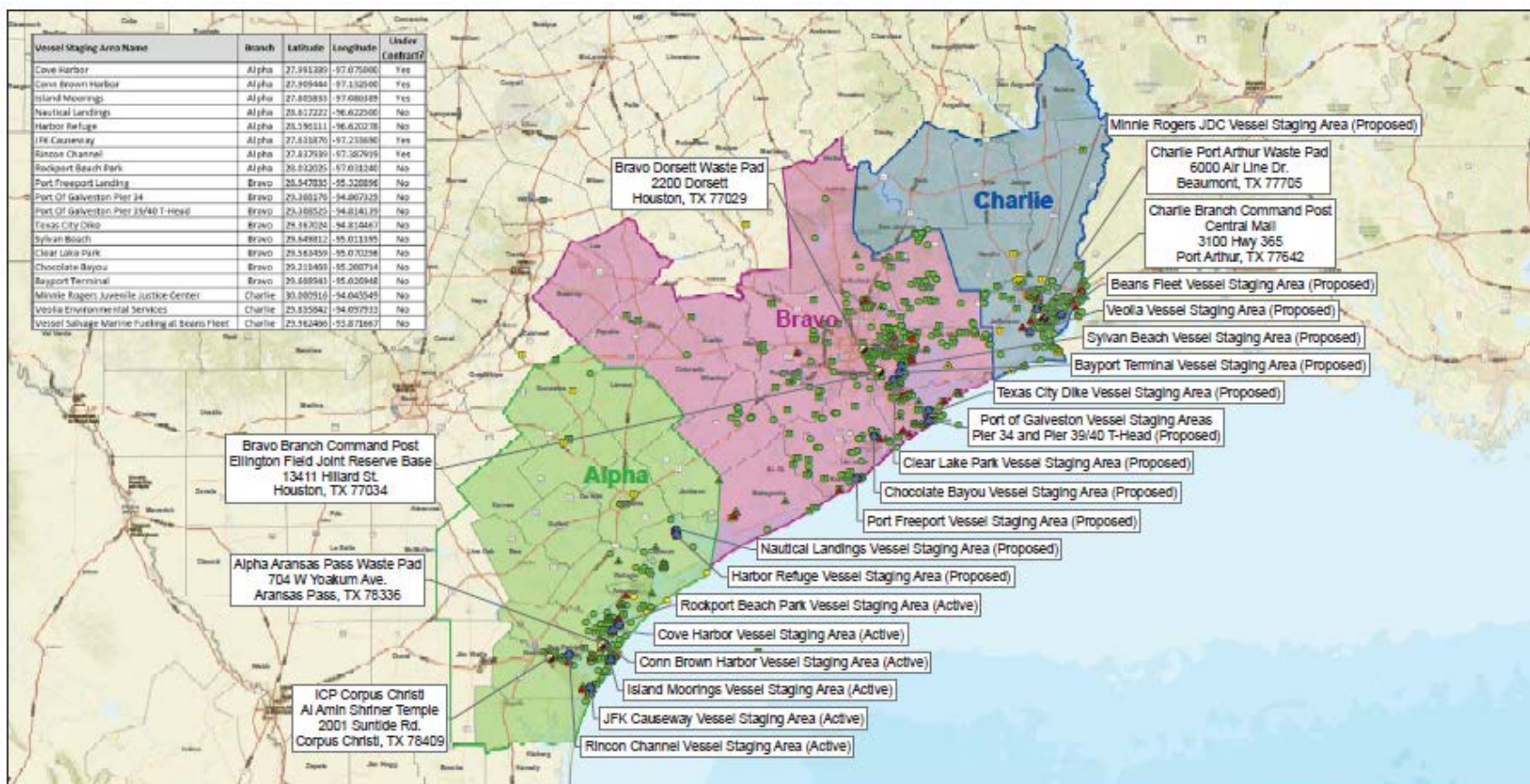
The Staging Area Team consolidated all of the oil/fuel products and corrosives and will transfer them to the Bravo Branch Staging Area.

Participating Agencies

- Texas Commission on Environmental Quality
- Texas General Land Office
- Texas Parks and Wildlife
- US Environmental Protection Agency
- US Coast Guard
- National Oceanic and Atmospheric Agency

Personnel On Site as of 09/18/2017

Agency	ICP	Alpha Branch	Bravo Branch	Charlie Branch	Totals
US EPA	12	4	16	8	40
USCG	18	29	35	8	90
TCEQ	1	26	17	5	49
TGLO	1	4	0	4	9
TXSG	0	0	0	0	0
CST	0	0	0	0	0
NOAA	0	0	0	0	0
Contractors	6	2	3	24	35
US Army	0	0	0	0	0
Totals	38	65	71	49	223



Legend

Federally Declared Counties: ■ in Alpha ■ in Bravo ■ in Charlie

● Incident Command Post (ICP) / Staging Area ● Vessel Staging Location

Facility/Spill Assessment

■ Open ■ Open - Cleanup in Progress ■ Closed

Haz/Eval Items

● Open ● Open ● Closed

Vessels

▲ Open ▲ Open - Cleanup in Progress ▲ Closed

Access Denied/Leave in Place/Refer to Other Agency

USA EPA REGION 6

SITREP Map

Alpha, Bravo, Charlie

Hurricane Harvey Response

September 18, 2017

0 30 60 Miles

For Official Use Only

EPA GIS

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